BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Estimate Cost Rs. 750000.00

Name of Work: Detailed Estimate for the work of construction of Compound wall and other works to DWCC in ward no-1 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Providing and fixing of sliding windows made of Galvanixed steel (Base steel as per IS 513, D quality galvanized as per IS 277 with zinc of 120 GSM). The factory made section should be powder coated with prue polyester powder upto 50-60 microns thick with total coated thickness of 0.89mm for outer frame and 0.58mm thickness for sliding shutter section the outer frame size for two tracks with grill provision is 90mmX50mm and without grill gprvision is of 75mmX50mm the window shutter section is of 58mmX36mm the outer frame should have two integrated guide tracks of 12mm width and 24mm deep for provision to slide the shutter/sash frame ande facilitates with a water drain outlet thick plain float glass of rereputed make ad fixed with EPDM weathering each shtter The section are to be cut to length meter joined with using anchor fasteners, silicon sealant applied at the outer frame corners. The cost is enclusive of conveyance of all materials, accessorics, labour charges, and erection at site with complete finished item of work page no 305 item number 38.37 SR 2018-19								
		sqm							
			1	10.70	1.50		16.05		
			1	3.60	2.00		7.20		
			1	1.20	3.50		4.20		
							27.45	3983.48	109347.00
	Basic Rate	3758.00							
	Area Weightage 6%	225.48							
	Grand Total	3983.48							
2	Fabricating supplying and erecting M.S. TubulerTruss of span upto 10m bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded toghter with 6mm gusset plate as per drawing. The orter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges,and higher charges of mechineries for cutting welding, granding and erection equipments, with all lead and lift, transportation, etc, complete as per specification. Page No. 43/ I No. 7.29/ PWD SR 2018-19								
		Kgs							
	for columns		1	1500.00			1500.00		
							580.00		
							2080.00	117.66	244733.00
	Basic Rate	111.00							
	Area Weightage 6%	6.66							
	Grand Total	117.66							
3	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1060mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2ribs at the center for stiffening , The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc –Alu Alloy coating AZ 150 gsm as pe ASTM 1397/A755-550 mpa steel grade 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses. No. 300/ Item No. 38.30 PWD SR 2018-19								
			1	11.00	4.60		50.60		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	688.00					50.60	729.28	36902.00
	Area Weightage @ 6%	41.28							
	Total	729.28							
4	Supply and delivery at site brand new submesible PUMPSET suitable for bore well of 150 mm dia and having declared duty conditions as detailed below and satisfying performances characteristics for pump and motor as declared by bureau of Indian standards. The pump should confirm to IS 8034-1970 (with all its latest amendments) and should bear the ISI mark 12.5 HP 20 stage (CRI Pumps) SR 2013-14 page xxxxII sl no 23) H=150m dish 150 LPM	1				1	Set	60084.4	60,084.36
5	Supply and Delivery of Galvanized Mild steel Heavy Class (C-Class) conforming to IS 1239-1979 PART-I/1979 with lastest amendments with ISI mark (one end fitted with ISI mark heavy duty collar and other end fitted with Protective cover) 50 mm dia 50mm dia G I Pipe with heavy duty	1	290.00			290.00	Mtr	375.00	108750.00
6	submersible Cable Supply and Delivery of brand new best make PVC insulated cable of flat 3core (sheathed) of nominal cross sectional area containing to IS 894-1997 with latest amendments (as per SPD) 4 Square mm 280*2+10	1	590.00			590.00	Mtr	81.00	47,790.00
7	50 mm dia GI Collar Heavy duty	1	50.00			50.00	Mtr	130.00	6,500.00
8	Meter and Panel Board. Supply and Delivery of Meter and Panel Board. Meter Board unit one number of MS Box of size 300x120 mm size fabricated out of 2mm thick sheet metal with sealable door arrangement for munting the CTS (if any) cutouts 3phase dia 4 wire energy meter and cable box complete. A transparent glass piece should be provided where the energy meter reading could be read. Panel Board. One number of cubicle type of control panel board to operate on 50c/400/400v Upto 10 to 20 HP	1				1.00	Nos	11000.00	11,000.00
9	50mm dia G I N.R. Valve	1				1.00	Nos	856.00	856.00
10	Erection & Commissioning of work of pumpset including aligning and balancing with all necessary erection of materials and labour including supply and erection of two pair of supporting clamps, one borewell cap, cable clips and water tight gland cable protectors, bolts nuts valves and gauges etc. all job including fixing sluice valve, non return valve etc, and connecting delivery side of pumpset to rising main etc. complete.	1				1.00	Nos	850.00	850.00
11	KSRB 13.11.1 Providing and placing on terrace Polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity) Specification NO. KBS 13.22 Page No. 96/ Item No. 13.78 / PWD SR 2018-19		1	1			1 Nos		
							1	7237.68	7238.00
	Basic Rate	6828.00							
	Area Weightage @ 6%	409.68							
	Total	7237.68							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (internal work exposed on wall) -20mm nominal OD pipes. (P.No. 98, I.No. 13.85.2 of KPWD S.R 2018-19)								
		Mtr							
	Rate analysis								
	A) 20mm nominal OD Pipe		1	10.00			10.00		
							10.00	166.42	1664.20
	Basic Rate	157.00							
	Area Wtg 6%	9.42							
	Total	166.42							
	B) 25mm nominal OD Pipe		1	10.00			10.00		
							10.00	207.76	2077.60
	Basic Rate	196.00							
	Area Wtg 6%	11.76							
	Total	207.76							
13	KSRB 13.6.4 Provding and fixng in position brass gate value with C I with wheel of approved quality (Screwed end) nominal bore including cost of all materials labour and HOM with all leads complete as per specifications. Page No 93 item no 13.32 13.33 20mm dia nominal bore SR 2018-19								
		each							
	Rate analysis								
	A) 20mm nominal bore		1	2.00			2.00		
							2.00	356.16	712.32
	Basic Rate	336.00							
	Area Wtg 6%	20.16							
	Total	356.16							
	B) 25mm nominal bore		1	2.00			2.00		
							2.00	475.94	951.88
	Basic Rate	449.00							
	Area Wtg 6%	26.94							
	Total	475.94							
14	KSRB 13.6.2 Provding and fixng in position brass stop cock of approved quality nominal bore including cost of all materials labour and HOM with all leads complete as per specifications. Page No 93 item no 13.26 SR 2018-19								
		each							
	A) 20mm nominal bore		1	2.00			2.00		
							2.00	149.46	298.92
	Basic Rate	141.00							
	Area Wtg 6%	8.46							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	149.46							
	B) 25mm nominal bore		1	2.00			2.00		
							2.00	147.34	294.68
	Basic Rate	139.00							
	Area Wtg 6%	8.34							
	Total	147.34							

15 KSRB 11-1 Providing and fixing white vitreous china clay, water closet Europe type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours complete as per specifications Specification No. KBS 79 Page No. item no 12.5 PWD SR 2018-19

inside RO room		1	2		2	
					2	5253.36	10507.00
Basic Rate	4956.00					
Area Weightage @ 6%	297.36					
Total	**5253.36**					

16 "SOLID PANEL PVC DOOR SHUTTER" Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm from styles and 15x15mm for top & bottom rails, covered with heat moulded PVC 'C' channel of 5mm thick sheet & 30 x 50 mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail. Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in charge fixed to frames with 3 nos of 75m m Aluminium hinges. Page No.60/ Item No. 9.83/ PWD SR 2018-19

	sqm	2	0.90	2.00	3.60	
					3.60	2943.62	10597.00
Basic Rate	2777.00					
Area Weightage @ 6%	166.62					
Total	**2943.62**					

17 KSRB 12-8.1 Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specificationsNo KBS Page No. 75/ Item No. 11.50.1 PWD SR 2018-19

	Nos	1			1.00	
					1.00	7487.84	7488.00
Basic Rate	7064.00					
Area Weightage @ 6%	423.84					
Total	**7487.84**					

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Sub total		668641.96
18	GST of 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018								80237.04
19	Miscellaneous and unforeseen charges	Ls							1121.00
								Total Ammount Rs.	750000.00

(Rupees Seven Lakhs fifty thousand only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2018-19
3) The provisions were made in this estimate are necessary and adequate
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits
5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.1

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka-Division
B.B.M.P

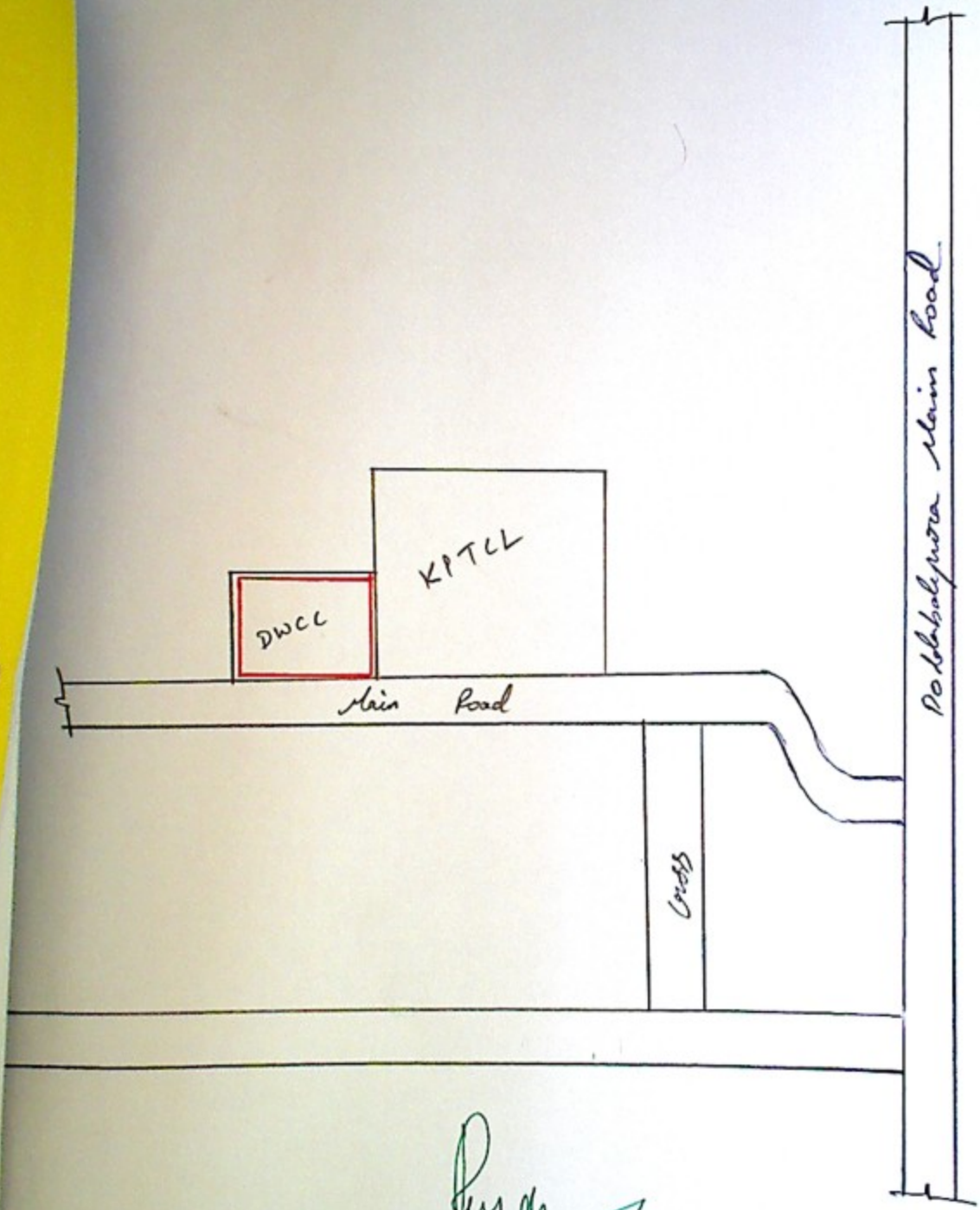
Administrative Sanction for Rs. ₹.7.50 lacs
Seven Lacky Rs
Fifty Thousand
is accorded under head P.n. 3298
14th F P.
Registered as CE No. Subject
to conditions contained in enclosed memo
No. EE/YNK(RA)/22/18-19 Dt. 2.2.19

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. ₹.7.50 lacs
Rupees Seven Lacky
Rs Fifty Thousand
Under
Registered as CE ( ) No 99
Subject to conditions contained in
enclosed memo LE ( ) No /91
Dt Estimate A/ Sanctioned
EE/TS/RJ/18-19 No
Dated 4-2-19 Rs ₹.7.50 lacs

Executive Engineer

Work :- Construction of compound wall and other work to D.W.C.C in ward no. 01 of Yelahanka Sub division



Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore